

## Product datasheet for **AP55809PU-S**

### Claudin 3 (CLDN3) pTyr219 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 219 (R-K-D-Y(p)-V) derived from Human Claudin 3 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Claudin 3 only when phosphorylated at tyrosine 219.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	28 kDa
Gene Name:	claudin 3
Database Link:	<a href="#">Entrez Gene 1365 Human</a> <a href="#">O15551</a>



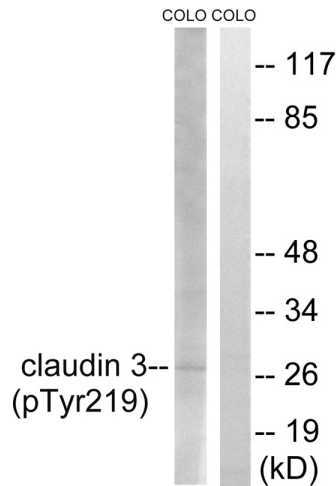
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**Background:**

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands.

**Synonyms:**

RVP1, C7orf1, CPETR2, CPE-R2, CPE-Receptor 2

**Product images:**


Western blot analysis of extracts from COLO cells treated with EGF using Claudin 3 (Phospho-Tyr219) Antibody. The lane on the right is treated with the antigen-specific peptide.